ARKANSAS DRINKING WATER UPDATE

Volume 35, No.1 *ENGINEERING SECTION – DEPARTMENT OF HEALTH* *Spring 2021*

Update: Lead and Copper Rule Proposed Revisions

Jeff Stone, P.E., Director

The proposed revisions to the requirements of the Lead and Copper Rule have been thrown into doubt following both litigation and recent EPA administrative actions.

As a review, on December 22, 2020, EPA announced it had finalized revisions to the Lead and Copper Rule. The revisions were published in the federal register on January 15, 2021. The publication of these revisions followed a long administrative process which included public comment periods.

It is likely that the proposed revisions to the Lead and Copper Rule are the most politically charged revisions that have been made to the Safe Drinking Water Act. The proposed revisions of the Lead and Copper Rule touched upon various elements of the rule including a greater focus on identifying and removing lead service lines in the distribution system, changes in where lead and copper sampling sites are located in the community with a focus on where lead service lines are known to be in use, a new requirement to monitor schools and daycares for lead in the drinking water at these facilities, changes in the public notice requirements so as to more promptly inform the public of monitoring results, and changes in how corrosivity of the water is evaluated and controlled. There are other elements of the proposed revisions not mentioned here in this brief article.

On March 1, 2021, nine states and the District of Columbia filed suit petitioning the United States Court of Appeals to determine if certain aspects of the rule are unlawful and therefore must be vacated. The states filing suit are New York, California, Illinois, Maryland, Minnesota, New Jersey, Oregon, Pennsylvania, Wisconsin, and the District of Columbia. In this suit, the states are arguing that the proposed revisions contain elements which will unlawfully weaken drinking water standards.

Separately, other non-governmental groups have also filed lawsuits challenging the proposed revisions. In general, it appears the various lawsuits claim that the proposed revisions do not go as far as is legally required to protect the public.

On March 10, 2021, EPA announced that it is extending the effective date of the revised Lead and Copper Rule so that the agency can seek further public input, particularly from communities that are most at-risk of exposure to lead in drinking water. This extension of the effective date is part of the new administration's review of regulations proposed by the previous administration.

The effective date for the revised Lead and Copper Rule has been extended to June 17, 2021. It is expected that a following action will extend the effective date to December 16, 2021 with a corresponding revised compliance deadline of September 16, 2024.

Arkansas is in the fortunate position that most of our water systems and plumbing systems were constructed after lead was no longer used for service line construction. This places Arkansas in a favorable position compared to many older cities in the United States. Also, the results from lead monitoring in our state on average show low lead levels. Over 3,000 lead samples are analyzed by the Arkansas Public Health Laboratory each year and the average lead level in these samples is approximately 3 parts per billion which compares favorably to the current lead action level of 15 parts per billion. Each year, on average, about 6 systems of our 800 public water systems exceed the action level based on their 90th percentile monitoring result.

Even though there has been a delay in the revisions to the Lead and Copper Rule, it remains important that water utilities continue their efforts to update service line inventories as the proposed revisions require.

Inside the *Update* Page

EPA Finalizes UCMR5

Jeff Stone, PE, Director

On March 11, 2021, EPA published the proposed 5th Unregulated Contaminant Monitoring Rule (UCMR5) in the Federal Register.

Every five years, EPA publishes unregulated contaminant monitoring rules to monitor for the highest priority unregulated drinking water contaminants. The purposes of UCMR rules are to collect occurrence data on the contaminants and to assist in development of analytical methodologies. The recently published UCMR5 will require sampling of drinking water systems during the 2023 to 2025 time period.

Due to changes in the Safe Drinking Water Act enacted as part of America's Water Infrastructure Act of 2018, a larger number of drinking water systems will be monitored under UCMR5 compared to previous UCMR rules. Previous rules required monitoring of all systems serving 10,000 or more people and a small portion of smaller systems. UCMR5 will require monitoring of all drinking water systems serving more than 3,300 people and a portion of systems serving fewer than 3,300. The expanded scope is conditioned upon the availability of federal appropriations and appropriate laboratory capacity.

UCMR5 is proposed to focus almost entirely on 29 different polyfluoroalkyl substances (PFAS) and 1 metal, lithium.

PFAS chemicals are a national concern and have been found in many water systems across the nation. This first came to national attention when UCMR3 monitoring included 6 PFAS chemicals. The monitoring conducted under UCMR3 did not result in any detections in the Arkansas drinking water systems that were monitored under that rule. However, the detection limits of the analysis used at that time was not as good (low) as current methods that will be used as part of UCMR5. Current methods can detect these chemicals down into the single digit parts per trillion range. EPA has issued a health advisory for these chemicals that indicates that concentrations above 70 parts per trillion are a health concern.

PFAS chemicals bio-accumulate in the body and increase in the body with continued exposure. The human body has difficulty ridding itself of these chemicals and presence in the body is believed to interfere with proper organ and endocrine function.

Susan Corder, with the Engineering Section, will once again take the lead in assisting water systems with this 5th UCMR.

EPA Reissues Final Regulatory Determinations for CCL4

Jeff Stone, PE, Director

On February 22, 2021, EPA reissued final regulatory determinations for contaminants on the fourth Contaminant Candidate List (CCL4). EPA is making final determinations to regulate two contaminants, perfluorooctanesulfonic acid (PFOS) and perfluorooctanoic acid (PFOA), in drinking water. EPA has also determined to not regulate six contaminants on the CCL4 which are: 11-dichlorethane, acetochlor, methyl bromide (bromomethane), metolachlor, nitrobenzene, and RDX.

The Safe Drinking Water Act requires EPA to make regulatory determinations for some of the contaminants on each Contaminant Candidate List. The regulatory determinations are in part informed by occurrence data collected from the monitoring required by each unregulated contaminant monitoring rule.

EPA's decision to regulate PFOS and PFOA has been expected. PFOS and PFOA, along with other perfluorinated compounds, have been labeled as "forever chemicals" in the media and these chemicals have been used in various products ranging from non-stick cookware, food wrappings, and fire fighting foams. Some drinking water sources around the nation have been contaminated by these chemicals, and they are difficult to remove from drinking water. These chemicals accumulate in the body with continued exposure and are thought to interrupt cellular processes due to their long molecular chains and chemically inert nature. Some health studies indicate that exposure to PFOA and PFOS over certain levels may result in adverse health effects, including developmental effects to fetuses during pregnancy or to breastfed infants, cancer, liver effects, immune effects, thyroid effects, and other health effects. To put simply, once ingested the human body has difficulty "clearing" these chemicals.

One of the most important aspects of EPA's decision to regulate PFOS and PFOA is that a maximum contaminant level will be established. Currently, EPA has issued a health advisory for these chemicals at a level of 70 parts per trillion. Some environmental groups have argued that a much lower level should be set.

Cyber Attack Hits Water Treatment Plant

Greg Treadway, IT

Under the Safe Drinking Water Act (SDWA), the U.S. Environmental Protection Agency (EPA) sets standards to keep drinking water safe. These standards apply to public water systems that provide water to almost everyone in the United States. Safe drinking water is a necessity of life, making it a critical priority across the U.S. Many steps have been taken to protect our drinking water whether it is treated or raw. But how protected are our computer systems that control our drinking water? On February 5, 2021, a hacker gained access to a PC running Windows 7 at the Oldsmar Public Water System. The hacker gained the credentials to access the PC and raised the NaOH levels from 100 ppm to 11,100 ppm. Fortunately, a plant manager on-site observed the feed rate change and was able to stop to cyber-attack before any real damage could occur. If the attack had been successful, a population of ~15,000 could have been impacted within 1-2 days.

How did this cyber-attack happen? Many public water systems are underfunded and not appropriately staffed due to budget constraints. Most systems do not have an IT staff member on-site and are forced to rely on assistance from wherever the system can get it. This attack started with something straightforward as using an outdated computer operating system called Windows 7. Support for Windows 7 ended on January 14, 2020. This means that very few updates, if any, have been released since that date. The hacker used the stolen credentials to gain access to the PC using remote desktop software and then gained access to the systems Supervisory Control and Data Acquisition system (SCADA) to make the changes.

What can you do?

Reading between the lines here, you can see that an outdated operating system was hacked using stolen credentials and remotely accessed using popular remote desktop software. Implementing a few simple changes could have possibly averted the hacker from gaining access to the systems SCADA.

While a list of everything you can do would be exhaustive, below are some suggestions that will help keep our water systems safe from cyber-attacks. Cybercriminals are relentless and will keep attacking, so public water systems must be vigilant at all times. It is the job of everyone to help keep our systems safe. An IT staff does the backend work but keeping your credentials to yourself and keeping your devices updated can be done by anyone, even without an IT staff member on hand.

1. Confidentiality

Remember to protect sensitive information such as your credentials and passwords. Never write down your password and leave it in the office. Hackers have been known to use security cameras to look for passwords in computer screens and desktops.

2. Strong Passwords

If a hacker tries to access any sensitive accounts, you want to make it as difficult as possible for them to log in. Please make sure you are using strong passwords like those with special characters, numbers, upper and lowercase letters, etc.

3. Multi-Factor Authentication

Multi-factor authentication (MFA) grants access to the device and software after the employee provides more than one form of identification.

4. Update Operating System

Next, updating the operating system to a more recent version would help, but routine updates are required to keep the operating system secure. The current operating system from Microsoft is Windows 10 20H2, released on October 20, 2020. There have been many patches and hotfixes since the most recent version of Win 10 20H2.

5. Remote Viewing Software

Lastly, the system was likely using popular remote viewing software like RemotePC, GoToMyPC, or TeamViewer. While these products are fine for most cases, they need to be correctly installed and configured to be secure.

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Reminder for America's Water Infrastructure Act: Risk Assessments and Emergency Response Plans Due in 2021

Jatin H. Mistry, U.S. EPA, Region 6

America's Water Infrastructure Act (AWIA) Section 2013 requires community drinking water systems serving more than 3,300 people to develop or update risk assessments and emergency response plans (ERPs). The act specifies the components that the risk assessments and ERPs must address and establishes deadlines by which water systems must certify to EPA completion of the risk assessment and ERP. For 2021, the due dates are listed below:

Risk and Resilience Assessment

Population Served	First Cycle Submission Due Date
3,301 to 49,999	June 30, 2021

Emergency Response Plan

Population Served	First Cycle Submission Due Date
50,000 to 99,999	June 30, 2021
3,301 to 49,999	December 31, 2021

The US EPA strongly recommends that water systems electronically submit their community water system's certification statements. Please do not submit the actual plan, certification is all that is required. This will be the only reporting method where US EPA will be able to provide an acknowledgement of receipt of the submitted certification statement.

To electronically certify the Risk and Resilience Assessment, please visit: https://encromerr.epa.gov/registrationrequest/OW--AWIA--Certifying%20Official%20-%20Risk%20Assessment?theme=awia

To electronically certify the Emergency Response Plan, please visit: https://encromerr.epa.gov/registrationrequest/OW--AWIA--Certifying%20Official%20-%20Emergency%20Response%20Plan?theme=awia

If you have any specific questions regarding the electronic certification process, please call the EPA Help Desk at 888-890-1995 (option 2), all other inquires can be emailed to dwresilience@epa.gov. For more information on the AWIA requirements, please visit: https://www.epa.gov/waterresilience/awia-section-2013#CD

Please note that Risk and Resilience Assessment and the Emergency Response Plan will need to be certified every 5 years.

Service Line Inventories Required under the Revised Lead and Copper Rule

Teresa Lee, P.E., Chief, Technical Support

Under the Lead and Copper Rule Revision (LCRR) all community and non-transient, non-community water systems must create a material inventory that includes all service lines in the distribution system, without exclusions. This inventory must be submitted to the Engineering Section no later than the LCRR's compliance deadline, which is anticipated to be in 2024. Systems must also submit a revised inventory either annually or triennially thereafter, depending on their results and their tap sample monitoring schedule. Based on the outcome of the inventory, a revised tap sample site plan will also be required.

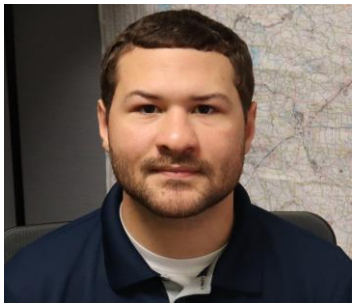
For the purpose of creating the inventory, the LCRR defines a lead service line as "portion of pipe that is made of lead, which connects the water main to the building inlet." The LCRR also classifies a galvanized service line as "a lead service line if it ever was or is currently downstream of any lead service line or service line of unknown material." A service line of unknown material is defined as "a service line that has not been demonstrated to meet the SDWA Section 1417 definition of lead free. It is not necessary to physically verify the material composition (for example, copper or plastic) of a service line for its lead status to be identified (e.g., records demonstrating the service line was installed after a municipal, State, or federal lead ban)."

The LCRR also requires water systems to make their service line inventory publicly accessible. An inventory created and maintained internally by water systems to track service line materials should use the specific address of each service line, but the rule does not require that systems make the exact street addresses publicly available. Instead, it gives the water system flexibility to determine which location identifier best meets the needs of its own community, such as a street name or city block. Water systems with only non-lead service lines are required to conduct an initial inventory, however, they are not required to provide updates to the State. They may fulfill the requirement to make the inventory publicly accessible with a statement that there are no lead service lines, along with a general description of the methods used to make that determination. Water systems will also be required to include information in the Consumer Confidence Reports each year on how to access their service line inventory.

This summer the Engineering Section will provide a form along with instructions on our website to aid water systems in preparing their service line inventories. If you have any questions, please call Trent Gephardt at 501-661-2623.

Staff News:

Travis Barefield joins the Engineering Section as an Environmental Health Specialist preparing water systems' Consumer Confidence Reports and working with transient water systems. Travis graduated from Auburn University with a B.S. in Geology. Before moving to Arkansas, Travis worked with Imerys as an exploration geologist.



Caleb Gourley recently joined the Engineering Section as an Environmental Health Specialist. Caleb will be working in the Lead and Copper Program and the Capacity Development Program. Caleb graduated from the University of Arkansas with a B.S. in Environmental Science.

Andrea Wheeler joins the Engineering Section as the District Engineer for District 2. Andrea graduated from Oklahoma State University with a B.S. in Chemical Engineering. Andrea worked for Schlumberger as a cementing field engineer and with the Oklahoma Department of Transportation as an engineer trainee in the asphalt materials division.

REPORT OF THE
Arkansas Drinking Water Advisory and Operator Licensing Committee

Martin Nutt, Training and Certification Officer

A quarterly meeting of the Arkansas Drinking Water Advisory and Operator Licensing Committee (Committee) was held on February 4, 2021 utilizing Zoom virtual technology.

Benzing called the meeting to order and welcomed everyone to the Committee meeting.

Members present:
Aaron Benzing, P.E., Chair, Hawkins Weir Engineers (2021)
Larry Lloyd. P.E., University of Arkansas (2022)
Scott Boggs, Chair Elect, Searcy Water Utilities (2023)
Lance McAvoy, Fort Smith Utility (2024)
Jeff Ford, Kimzey Regional Water District (2025)
Sharron Sweeney, Central Arkansas Water (2026)
Jeff Stone, P.E., Executive Secretary, ADH
Department of Health (ADH) Staff present:
Reginald Rogers, Attorney, ADH
Brian Nichols, Administrative Law Judge, ADH
Martin Nutt, Training and Cert Officer, ADH
Guests present:
Dennis Sternberg, Exec Director, AR Rural Water Assn
Randy Harper, Director AR Environmental Training Academy
Jeremy Rowe, Training Coordinator, AETA

COMMITTEE BUSINESS

The Committee approved the September 17, 2020 meeting minutes.

Benzing requested Sweeney to provide her report on the 2021 ABC Annual Conference virtually conducted January 20, 21, and 22, 2021. Sweeney stated she felt Thursday was the most informative day highlighting the sessions pertaining to skills-based training and the psychological motivation behind training and education. She would like to see that type training built into the curriculum for mandatory training. She specifically mentioned a program from David Goldberg with CSM Learn titled Self Efficacy in Certification about being your personal best: caring about what you do, pushing through failure, having high expectations of yourself, and following through. Lloyd reported he found it interesting how throughout the country, programs were struggling through the pandemic and the many ways they had adapted. He noted there was a good session on inclusion. He found the conference overall very interesting and noted at times he felt like he was almost hearing a foreign language during testing and licensing topics that he was not overly familiar. Nutt reported the conference was more than just a series of presentations in that the software used allowed for a lot of interactivity of the participants. He noted the first day focused a lot on adult learning styles and training techniques such as gamification and animation to meet adult learner needs. He mentioned a program by Margaret Doss from Georgia on license enforcement actions against operators that included breakout discussion sessions. In summarizing the breakout sessions, it was a universal agreement we all struggle to do it, and we all struggle when we do it especially from a standpoint of timeframes to accomplish it. He also mentioned British Columbia efforts to create a license program for large building plumbing and their concerns with Legionnaires' disease. He concluded mentioning a presentation from PSI discussing the increased use of computer based exams during the pandemic and a heightened interest in the use of remote proctored exams which uses video cameras to remotely proctor exams allowing an exam taker to sit in a site of their choice to take their exam. This eliminates the need for an exam center to be open during the pandemic plus other benefits, but the technology is not presently available for ABC exams.

Nutt updated the Committee on the 2021 water license renewal, post the Committee recommendation and the Department's waiving the renewal hours requirement for the July 2019 to June 2021 renewal period for water licenses. He described efforts to notify water operator license holders of the waiver, immediately following the waiver being posted on the Departments website. The continuing effort is utilizing the use of each edition of the *Drinking Water Update* newsletter mailed to all license holders and water systems, an email to known email addresses of operators and water systems and announcing it where possible. The renewals will be mailed in May and the invoice will include information that renewal hours are not required. In response to a question from Benzing related to actions taken in regard to Wastewater License renewal, McAvoy updated the Committee stating training hour requirements had been deferred to December 2021 allowing wastewater operators additional time to meet required training hours.

Nutt informed the Committee that in-person quarterly paper licensing exams were held in December, similar to September exam sessions, after cancelling the June sessions. He noted that many of the normal exam sites remained closed to the public, however exam sessions were held at AETA, and ARWA training centers. Community rooms in Siloam Springs, Nashville and Bono and the Hammond Conference Center were also

utilized allowing exams to be held on the same dates as scheduled in planned or relatively close locations, with the exception of the Clarksville exam session that was cancelled again. He indicated exam numbers remained reduced aiding in the ability to offer the exams and expected the March exams would be held utilizing similar accommodations.

Nutt indicated the Rules Pertaining to Water Operator Licensing went final in October 2020 post the last Committee meeting in September 2020. The rules are now enforceable with reciprocity and criminal history being the thrust of the revised Rules. He then informed the Committee he expected any criminal waiver request received would require the individual requesting the waiver to complete a questionnaire detailing the crime, what post conviction required actions had been completed, and actions taken post the crime to demonstrate rehabilitation, with the applicant and system representative invited to attend Committee waiver review. He then reviewed with the Committee what he considered the Law's three levels of criminal history concerns with one level being crimes that prevent licensure, a second level that allowed licensing provided certain constraints had been met, and a third level of crimes that were not listed as a concern. He noted the Committee's ability to waive the criminal history related to individuals in the level 2 group that had not completed all of the constraints within the Law. He stressed the need to communicate to utilities the need to have an individual with a criminal history to request a pre-licensure review of the individual's history to determine ability to license, prior to hiring or investing training into the individual. He also stated that the recently revised application with a criminal history section must be used.

Stone reported the Revised Lead and Copper Rule had been published in the Code of Federal Regulation. His take on the revisions are they are focused on utilities that still have lead service lines and lead pigtails to address their replacement in a timely manner. Regarding Arkansas utilities, very few systems were built when lead was used for water services, but we do have some lead service lines to address. He indicated Arkansas utilities as a whole would not have significant compliance issues. He stated that he felt compliance was doable, but it will have a large administrative demand for the Section and utilities. He noted the Section's first step towards obtaining primacy is to get the Rules Pertaining to Public Water Systems revised to have a post Federal Regulation promulgation date.

Nutt informed the Committee that in response to the pandemic halting most in-person training the on-line/virtual training market has exploded. He noted the training ranged from very tightly monitored attendance to simple registration for a course. The industry is being flooded with virtual renewal training with lots of caveats being added by the trainer as to whether the training was approved. He requested the Committee form an Ad-Hoc working group to address computer delivered training to formulate a guideline to be used for future approval of computer driven training. Benzing then requested Lloyd chair a workgroup consisting of Lloyd, McAvoy, and Ford with Nutt participating plus any industry groups interested in sitting at the table. Lloyd agreed to chair the created workgroup.

Nutt informed the Committee that he had requested nominations from the industry groups and the Society of Registered Professional Engineers to provide nominees to fill Benzing's expiring Committee position of a Registered Professional Engineer actively involved in water system design. The nominees will be provided to the Board of Health to appoint the new Committee member with a term of July 1, 2021 to June 30, 2027.

Committee Reports

Stone provided a general program update noting that Covid-19 issues continue to impact program activities both in loss of staff periodically and the Section limiting its in-person contact with PWS staff and the general public by curtailing many inspection activities, such as non-critical sanitary survey inspections and only visiting systems when public health concerns demand. He concluded by noting that the national

Nutt started his license update report by referencing a spreadsheet detailing exam performance information. He noted the number of exams was gradually increasing, the program is seeing increased use of computer-based exams, and unfortunately exam performance is pretty much unchanged. He noted he continued to stress that studying the reference books, to augment the training classes, was critical to exam passage. Sweeney inquired as to ways the required courses could be modified to increase knowledge retention rates though spreading out the training to multiple days over a longer period of time. Nutt noted the Rules only required the

length of the course not the method those hours were met and mentioned that in the past AETA adjunct instructors have taught the classes over longer periods of time with shorter classroom time periods. Harper noted the AETA was supportive of the concept as well. Nutt also indicated that there was continued interest in some type of intern or high school curriculum courses aimed at recruiting persons into the industry and they tended to use this concept for their teaching style.

Nutt in his enforcement effort report provided a handout to the Committee detailing enforcement actions, which still has systems advancing into upper enforcement efforts. He indicated that pressure was still being applied to systems to comply, with the pandemic taken into consideration. The Section has two water systems Bois D' Arc Water System and Humphrey Water Department scheduled March 4, 2021 for a Sub-Committee Board of Health enforcement hearing. He then reviewed the enforcement status of the other systems listed. Sternberg mentioned that ARWA was working with the Humphrey Water Department and discussed the assistances the Association was providing to the system.

Nutt in his General Program Update informed the Committee that Carla Griesen had tendered her resignation in November and the program was now back to trying to fill the Training Coordinator position with the process going slow due to a lack of qualified applicants. He noted that license applications and re-exam fees were increasing in numbers and their processing were being hampered by a bottleneck, due to staffing issues, in the check processing work group.

Harper reported for the Arkansas Environmental Training Academy reporting the 2021 training scheduled was released later than preferred and that the calendar was heavily loaded in the first half of the year with courses in Camden utilizing Zoom to take the courses to the student. This action was taken due to the limited access to normal training facilities due to Covid. He was pleased that Zoom classes had been well received with future plans for all courses originating from Camden to also utilize Zoom. Rowe demonstrated the Zoom classroom to the Committee that they were using to attend and reviewed the steps he takes to assure students are participating. He then reported that in March when the Academy closed due to Covid all classes were moved to the internet concept. From March 2020 to January 2021 25 internet courses with 77 students were held, 14 in-person courses with 118 students were held and 8 combination in-person with Zoom courses were held with 169 students. He noted for 2021 the Academy has 24 Zoom-Camden classes, 24 internet classes, and 22 in-person classes for a total of 70 classes scheduled.

Sternberg reported that in 2020 ARWA cancelled 14 classes due to Covid and held one Zoom-style specialty course from Mueller with 146 students attending and one from Badger meter with 190 students attending. They returned to in-person classes in June, with limited participation to meet CDC restrictions, with most in Lonoke, and with a few in other sites. The ARWA conference was also cancelled. In 2020 ARWA held 378 hours of water classes with 1,445 student days. He indicated the ARWA 2021 calendar was out and that ARWA was in the planning stages to implement satellite training sites to provide Lonoke live classes remotely in multiple other proctored locations.

OTHER BUSINESS

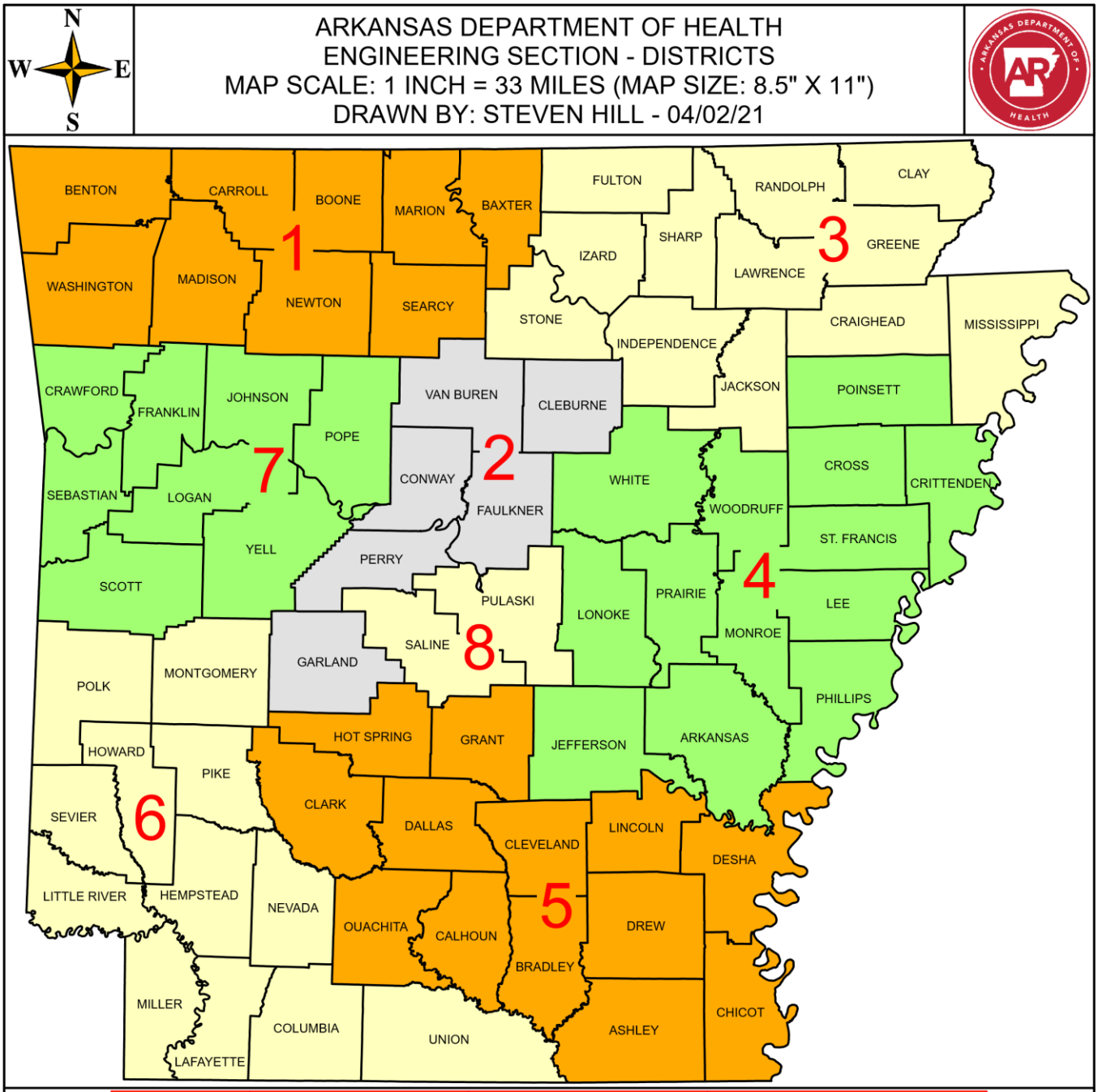
Having no other business, the Committee confirmed its next meeting for April 8, 2021, and the meeting adjourned.

NOTICE

The Arkansas Department of Health/Office of Oral Health has grant money available to upgrade old and outdated water fluoridation equipment. If you are interested, please send the following documents: engineering plans/schematic for engineering approval, a list of materials to be purchased for the project, and a letter of interest printed on municipal stationary. For more information, contact the director of the Office of Oral Health:

Lindy Bollen, Jr., DDS
Lindy.Bollen@arkansas.gov
501.280.4111

New District Boundaries, Effective March 1st



DISTRICT	ENGINEER	SPECIALIST	SUPERVISOR
1	ADAM PARKER TANNER BURNS TRENT JONES	EMILY PAVLOVIC	RAYMOND THOMPSON
2	ANDREA WHEELER	CHRISTIE BIRDSONG	STEPHEN YOUNGBLOOD
3	ROBERT HARRIS	MARK JONES	GLENN GREENWAY
4	JAKE CHATMAN	VACANT	GLENN GREENWAY
5	ANDREW SHAW	JACK GREGG	DENNIS TAYLOR
6	DEAN GERNON	DAVID SOHMER	DENNIS TAYLOR
7	THOMAS JOHNSON	REBECCA RELIC	STEPHEN YOUNGBLOOD
8	SHADA ROBERTS	CHRISTIE BIRDSONG	STEPHEN YOUNGBLOOD
TRANSIENT	TAYLOR BROWN	SUSANNA SCHLEIFF	AARON HILBORN

Pandemic Update – Mandatory Training & License Exams

All mandatory training courses for license exam preparation are available. However, to meet pandemic social distancing requirements some of the normally used sites around the State are not available and course locations have been changed. For a complete listing of all available mandatory training courses see this webpage: https://www.ark.org/health/eng/autoupdates/oper/mandtrngall.htm (Present list on page 11.)

The Arkansas Rural Water Association (ARWA) has adjusted their 2021 training schedule with most courses offered at their training center in Lonoke with some courses held off-site. Please be sure to register for the course in that classroom space is limited due to the pandemic. Classes are free of charge for ARWA members.

The Arkansas Environmental Training Academy (AETA) has adjusted their 2021 training by adding virtual attendance to all planned courses held at the Academy in Camden. All courses through June 2021 will be held at the Academy with a more traditional multiple location training returning in July, subject to change due to the pandemic. The virtual classes held at the Academy will feature traditional classroom space within the Academy with Zoom technology utilized for virtual attendance during the course, providing real time, instructor led courses. This hybrid attendance is free of charge, in both the virtual/remote attendance setting or to attend courses in-person at the Academy. To attend using Zoom you need a computer with suitable internet service, a webcam, microphone, speakers, adequately sized screen to see presentation slides (cell phones not suitable), and a quiet/distraction free workspace.

Also, there are alternative ways to meet most of the mandatory training requirements. The Academy offers the mandatory courses via internet courses, there are correspondence courses available, and certain college degrees can be substituted for some of the mandatory courses. This website details these methods: https://www.healthy.arkansas.gov/images/uploads/pdf/drinking-water-MandTrng.pdf

Please visit our "Obtaining A Water License" website: https://www.healthy.arkansas.gov/water-license for an overview of the water licensing process, including above referenced documents and links.

WATER OPERATOR LICENSES ISSUED

(Issued Since Winter Newsletter)

LICENSEE NAME	GRADE/TYPE	SYSTEM NAME	ISSUE DATE
ABIODUN SUNDAY	D - II & T - II	No PWS Provided	2/8/2021
CARTER GERALD	D - III	CENTRAL ARKANSAS WATER & LONG LAKE WATER ASSOCIATION	1/22/2021
GOODWIN JOSHUA	D - I	NORTH CROSSETT UTILITIES & NORTH EAST CROSSETT WATER ASSN	1/19/2021
INGLE WILLIAM	D - I	BENTONVILLE WATER UTILITIES	2/26/2021
JONES RICKY	T - II	BIGELOW WATERWORKS, HOUSTON WATERWORKS, PERRYVILLE WATERWORKS & TOAD SUCK PUBLIC FACILITY BD	1/29/2021
KRICK RONALD	D - I	GOSNELL WATER ASSOCIATION	12/29/2020
PITTMAN THOMAS	D - II	COTTER WATERWORKS	2/9/2021
SHOCKLEY HAYDEN	T - IV	ATKINS WATER SYSTEM	2/26/2021
SUMNERS JAMES	D – IV & T - IV	CITY CORPORATION	3/12/2021

2021 Mandatory Training Course Schedule

Please contact the course sponsor to register for course well in advance of course date.
PWS Compliance Course registration is available on their course registration websites.
The entire course must be attended to receive mandatory course completion credit.
The most current Mandatory Training Schedule with location information is available at
http://www.healthy.arkansas.gov/eng/autoupdates/oper/mandtrngall.htm

Mandatory Course Name	Start Date	End Date	Time	City	Location	Sponsor
Basic Water Treatment	4/27/21	4/29/21	8:00 AM	Camden/Zoom	AR Env Training Academy, 6287 Spellman & Zoom	AETA
Intermediate Water Treatment	4/27/21	4/29/21	8:00 AM	Lonoke	ARWA Training Facility, 240 Dee Dee Ln	ARWA
Basic Water Distribution	5/3/21	5/30/21	TBA	Internet	http://www.sautech.edu/aeta/	AETA
Basic Water Treatment	5/3/21	5/30/21	TBA	Internet	http://www.sautech.edu/aeta/	AETA
Basic Water Math	5/11/21	5/11/21	8:00 AM	Mt. Home	Charles R Newton Emer Serv Trng Center, Midway	ARWA
ADH PWS Compliance	5/12/21	5/12/21	8:00 AM	Mt. Home	Charles R Newton Emer Serv Trng Center, Midway	ARWA
Applied Water Math	5/13/21	5/13/21	8:00 AM	Mt. Home	Charles R Newton Emer Serv Trng Center, Midway	ARWA
Advanced Water Distribution	5/18/21	5/20/21	8:00 AM	Lonoke	ARWA Training Facility, 240 Dee Dee Ln	ARWA
Intermediate Water Distribution	5/18/21	5/20/21	8:00 AM	Camden/Zoom	AR Env Training Academy, 6287 Spellman & Zoom	AETA
Intermediate Water Treatment	5/24/21	5/26/21	8:00 AM	Camden/Zoom	AR Env Training Academy, 6287 Spellman & Zoom	AETA
Advanced Water Distribution	6/1/21	6/3/21	8:00 AM	Camden/Zoom	AR Env Training Academy, 6287 Spellman & Zoom	AETA
Intermediate Water Distribution	6/7/21	6/27/21	TBA	Internet	http://www.sautech.edu/aeta/	AETA
Intermediate Water Treatment	6/7/21	6/27/21	TBA	Internet	http://www.sautech.edu/aeta/	AETA
Advanced Water Treatment	6/8/21	6/10/21	8:00 AM	Camden/Zoom	AR Env Training Academy, 6287 Spellman & Zoom	AETA
Basic Water Distribution	6/22/21	6/24/21	8:00 AM	Mt. Home	Charles R Newton Emer Serv Trng Center, Midway	ARWA
Basic Water Math	6/22/21	6/22/21	8:00 AM	Camden/Zoom	AR Env Training Academy, 6287 Spellman & Zoom	AETA
Applied Water Math	6/23/21	6/23/21	8:00 AM	Camden/Zoom	AR Env Training Academy, 6287 Spellman & Zoom	AETA
ADH PWS Compliance	6/24/21	6/24/21	8:00 AM	Camden/Zoom	AR Env Training Academy, 6287 Spellman & Zoom	AETA
Advanced Water Distribution	7/5/21	7/27/21	TBA	Internet	http://www.sautech.edu/aeta/	AETA
Advanced Water Treatment	7/5/21	7/27/21	TBA	Internet	http://www.sautech.edu/aeta/	AETA
Basic Water Distribution	7/20/21	7/22/21	8:00 AM	Centerton	Centerton Utilities, 517 N. Main St., Centerton AR	AETA
Advanced Water Treatment	7/27/21	7/29/21	8:00 AM	Lonoke	ARWA Training Facility, 240 Dee Dee Ln	ARWA
Basic Water Treatment	7/27/21	7/29/21	8:00 AM	Maumelle	418 Cogdell Dr, Maumelle	AETA
Basic Water Math	8/2/21	8/15/21	TBA	Internet	http://www.sautech.edu/aeta/	AETA
Intermediate Water Distribution	8/10/21	8/12/21	8:00 AM	Mt. Home	Charles R Newton Emer Serv Trng Center, Midway	ARWA
Applied Water Math	8/16/21	8/29/21	TBA	Internet	http://www.sautech.edu/aeta/	AETA
Basic Water Math	8/17/21	8/17/21	8:00 AM	Lonoke	ARWA Training Facility, 240 Dee Dee Ln	ARWA
Intermediate Water Treatment	8/17/21	8/19/21	8:00 AM	N Little Rock	CAW Maryland Complex, 1500 West Maryland Ave	AETA
ADH PWS Compliance	8/18/21	8/18/21	8:00 AM	Lonoke	ARWA Training Facility, 240 Dee Dee Ln	ARWA
Applied Water Math	8/19/21	8/19/21	8:00 AM	Lonoke	ARWA Training Facility, 240 Dee Dee Ln	ARWA
Basic Water Math	8/24/21	8/24/21	8:00 AM	Centerton	Centerton Utilities, 517 N. Main St., Centerton AR	AETA
ADH PWS Compliance	8/25/21	8/25/21	8:00 AM	Centerton	Centerton Utilities, 517 N. Main St., Centerton AR	AETA
Applied Water Math	8/26/21	8/26/21	8:00 AM	Centerton	Centerton Utilities, 517 N. Main St., Centerton AR	AETA
Basic Water Distribution	9/6/21	9/26/21	TBA	Internet	http://www.sautech.edu/aeta/	AETA
Basic Water Treatment	9/6/21	9/26/21	TBA	Internet	http://www.sautech.edu/aeta/	AETA
Advanced Water Treatment	9/7/21	9/9/21	8:00 AM	Greers Ferry	Community Water System, 299 Lakeshore Drive	AETA
Basic Water Math	9/14/21	9/14/21	8:00 AM	Camden/Zoom	AR Env Training Academy, 6287 Spellman & Zoom	AETA
Applied Water Math	9/15/21	9/15/21	8:00 AM	Camden/Zoom	AR Env Training Academy, 6287 Spellman & Zoom	AETA
ADH PWS Compliance	9/16/21	9/16/21	8:00 AM	Camden/Zoom	AR Env Training Academy, 6287 Spellman & Zoom	AETA
Advanced Water Distribution	9/28/21	9/30/21	8:00 AM	Centerton	Centerton Utilities, 517 N. Main St., Centerton AR	AETA
Advanced Water Distribution	9/28/21	9/30/21	8:00 AM	Mt. Home	Charles R Newton Emer Serv Trng Center, Midway	ARWA
Intermediate Water Distribution	10/4/21	10/24/21	TBA	Internet	http://www.sautech.edu/aeta/	AETA
Intermediate Water Treatment	10/4/21	10/24/21	TBA	Internet	http://www.sautech.edu/aeta/	AETA
Basic Water Distribution	10/5/21	10/7/21	8:00 AM	Little Rock	CAW Clearwater Complex, 11 Clearwater Drive	AETA
Basic Water Math	10/11/21	5/3/21	8:00 AM	Hot Springs	Water Conference, Hot Springs Convention Center	AETA
Applied Water Math	10/12/21	5/4/21	8:00 AM	Hot Springs	Water Conference, Hot Springs Convention Center	AETA
ADH PWS Compliance)	10/12/21	5/4/21	8:00 AM	Hot Springs	Water Conference, Hot Springs Convention Center	AETA
Basic Water Treatment	10/12/21	10/14/21	8:00 AM	Springdale	Jones Center, Springdale	AETA
Basic Water Treatment	10/19/21	10/21/21	8:00 AM	Lonoke	ARWA Training Facility, 240 Dee Dee Ln	ARWA

Arkansas Water Operator Licensing cont'd
2021 Mandatory Training Course Schedule

Mandatory Course Name	Start Date	End Date	Time	City	Location	Sponsor
Basic Water Math	10/19/21	10/19/21	8:00 AM	Jonesboro	CWL Operations Facility, 105 W Johnson Ave	AETA
Applied Water Math	10/20/21	10/20/21	8:00 AM	Jonesboro	CWL Operations Facility, 105 W Johnson Ave	AETA
ADH PWS Compliance	10/21/21	10/21/21	8:00 AM	Jonesboro	CWL Operations Facility, 105 W Johnson Ave	AETA
Basic Water Math	10/26/21	10/26/21	8:00 AM	Little Rock	CAW Clearwater Complex, 11 Clearwater Drive	AETA
Applied Water Math	10/27/21	10/27/21	8:00 AM	Little Rock	CAW Clearwater Complex, 11 Clearwater Drive	AETA
ADH PWS Compliance	10/28/21	10/28/21	8:00 AM	Little Rock	CAW Clearwater Complex, 11 Clearwater Drive	AETA
Advanced Water Distribution	11/1/21	11/28/21	TBA	Internet	http://www.sautech.edu/aeta/	AETA
Advanced Water Treatment	11/1/21	11/28/21	TBA	Internet	http://www.sautech.edu/aeta/	AETA
Basic Water Math	11/1/21	11/14/21	TBA	Internet	http://www.sautech.edu/aeta/	AETA
Intermediate Water Treatment	11/2/21	11/4/21	8:00 AM	Lowell	Beaver Water Dist, 301 N Primrose Rd	AETA
Intermediate Water Treatment	11/2/21	11/4/21	8:00 AM	Lonoke	ARWA Training Facility, 240 Dee Dee Ln	ARWA
Intermediate Water Distribution	11/9/21	11/11/21	8:00 AM	N Little Rock	CAW Maryland Complex, 1500 West Maryland Ave	AETA
Basic Water Math	11/16/21	11/16/21	8:00 AM	Lonoke	ARWA Training Facility, 240 Dee Dee Ln	ARWA
Intermediate Water Distribution	11/16/21	11/18/21	8:00 AM	Jonesboro	CWL Operations Facility, 105 W Johnson Ave	AETA
ADH PWS Compliance	11/17/21	11/17/21	8:00 AM	Lonoke	ARWA Training Facility, 240 Dee Dee Ln	ARWA
Applied Water Math	11/18/21	11/18/21	8:00 AM	Lonoke	ARWA Training Facility, 240 Dee Dee Ln	ARWA
Advanced Water Treatment	11/30/21	12/2/21	8:00 AM	Little Rock	CAW Clearwater Complex, 11 Clearwater Drive	AETA
Advanced Water Distribution	12/7/21	12/9/21	8:00 AM	Little Rock	CAW Clearwater Complex, 11 Clearwater Drive	AETA
Basic Water Distribution	12/14/21	12/16/21	8:00 AM	Lonoke	ARWA Training Facility, 240 Dee Dee Ln	ARWA

Computer-Based Water License Examinations Provided by PSI Services (PSI) Information & Reservation Instructions

Computer-based Arkansas Water Operator License Examinations are available utilizing PSI Services (PSI) Assessment Centers, formerly AMP. This is an alternate optional method of examination but has an additional administration fee of $69.00 per exam. This option allows exams to be scheduled with a large degree of flexibility as to the day of the week (open Monday through Saturday) and time of day (morning or afternoon sessions) without a 45-day preregistration requirement.

To utilize PSI, please use this webpage to register for an exam: https://health.arkansas.gov/wa_engTraining/ExamType.aspx or call the Water Licensing Program at (501) 661-2623. The License Program must be in receipt of the candidate's (exam taker) Water Operator License application, payment of the required ADH fees shown on application, and the mandatory training requirements documented as met before the PSI exam will be allowed.

The Licensing Program will arrange for PSI to contact the candidate. PSI will provide needed information and directions to schedule the computer-based exam. The PSI computer-based exam administration fee of $69.00 must be paid directly to PSI when the exam is scheduled. The time needed to complete the examination process, from a few days to several weeks, depends on several factors. Has the license application and licensing fees been paid? Has attendance of Mandatory training courses been documented, copy of attendance certificates submitted to the Water License Program? The mode of communication, internet versus US mail, can influence the time needed significantly.

The exams are administered via computer terminals in a PSI Assessment Centers, they are not paper based. PSI provides a paper copy of the ABC exam formula sheet and scratch paper. A practice exam to become familiar with the computer process is available at the time of examination. The process is very user friendly and is suitable for non-computer users.

The Computer-administered examination is scored at the conclusion of the exam with your score and mastery report provided to you prior to leaving the Center. PSI will furnish the Licensing Program your official exam results. The Licensing Program will follow-up the exam results with the appropriate documents based on the exam results.

PSI has assessment centers in or near Arkansas (Fayetteville, Fort Smith, Harrison, Little Rock & NLR, Magnolia, Pine Bluff, Memphis, TN; Shreveport, LA: Springfield, MO) and other PSI Assessment Centers throughout the United States may be utilized. For additional site information, examination concepts, and examination procedures, see PSI's website, www.goamp.com, click on "Begin Scheduling". Please review, at a minimum, the Arkansas handbook, view the "What To Expect" video, and review the "General Recommendations" before you "Schedule an Exam".

WATER OPERATOR PAPER BASED EXAM SCHEDULE

Most current Exam Schedule is available at http://www.healthy.arkansas.gov/eng/autoupdates/oper/operexam.htm

You must register for the paper-based exam 45 days in advance with License application filed at least 60 days before the exam. To register on the internet, go to www.healthy.arkansas.gov/water-license, see Step 5.

Listed below are the dates and locations of examination sessions as scheduled, as of **March 29, 2021**. All Treatment and Distribution exam grades will be available at the sessions. Acceptable photo identification (Driver's License or equivalent) will be required to sit for an Exam. Cell phones, pagers and other electronic communication devices are not allowed. Non-Programmable calculators are allowed in exam sessions.

EXAM DATE	REGISTER DEADLINE	CITY	LOCATION	TIME
The below sessions are planned to be held provided pandemic guidelines will allow use of exam rooms.				
6/3/2021	4/20/2021	Rogers	Rogers Water Utility Training Rm, 521 South 2nd St	1:00 PM
6/4/2021	4/20/2021	Fayetteville	Fayetteville Operations Center, 2435 S Industrial Dr	9:00 AM
6/4/2021	4/20/2021	Lonoke	ARWA Training Facility, 240 Dee Dee Ln	9:00 AM
6/4/2021	4/20/2021	Nashville	Carter Day Center, 200 Lake Nichols Drive	9:00 AM
6/11/2021	4/27/2021	Camden	AR Environmental Training Academy, 6287 Spellman Road	9:00 AM
6/11/2021	4/27/2021	Clarksville	CLW (Operations Bld) 710 East Main (Hwy 64 East)	9:00 AM
6/11/2021	4/27/2021	Jonesboro	Jonesboro CWL Office Training Rm, 400 E Monroe	9:00 AM
9/1/2021	7/20/2021	Hot Springs	ARWA Conference, HS Convention Center	9:00 AM
9/2/2021	7/20/2021	Mtn. Home	Baxter Co OEM Training Facility, 170 Dillard Dr, Midway	9:00 AM
9/2/2021	7/20/2021	Rogers	Rogers Water Utility Training Rm, 521 South 2nd St	1:00 PM
9/3/2021	7/20/2021	Fayetteville	Fayetteville Operations Center, 2435 S Industrial Dr	9:00 AM
9/3/2021	7/20/2021	Lonoke	ARWA Training Facility, 240 Dee Dee Ln	9:00 AM
9/10/2021	7/27/2021	Camden	AR Environmental Training Academy, 6287 Spellman Road	9:00 AM
9/10/2021	7/27/2021	Clarksville	CLW (Operations Bld) 710 East Main (Hwy 64 East)	9:00 AM
9/10/2021	7/27/2021	Jonesboro	Jonesboro CWL Office Training Rm, 400 E Monroe	9:00 AM
10/13/2021	8/30/2021	Hot Springs	AWW&WEA Annual Conf, HS Convention Center	9:00 AM
12/2/2021	10/19/2021	Rogers	Rogers Water Utility Training Rm, 521 South 2nd St	1:00 PM
12/3/2021	10/19/2021	Fayetteville	Fayetteville Operations Center, 2435 S Industrial Dr	9:00 AM
12/3/2021	10/19/2021	Lonoke	ARWA Training Facility, 240 Dee Dee Ln	9:00 AM
12/3/2021	10/19/2021	Nashville	Carter Day Center, 200 Lake Nichols Drive	9:00 AM
12/10/2021	10/26/2021	Camden	AR Environmental Training Academy, 6287 Spellman Road	9:00 AM
12/10/2021	10/26/2021	Clarksville	CLW (Operations Bld) 710 East Main (Hwy 64 East)	9:00 AM
12/10/2021	10/26/2021	Jonesboro	Jonesboro CWL Office Training Rm, 400 E Monroe	9:00 AM

The above exam session information is subject to change. You should confirm this information just prior to the scheduled examination period. Also, the latest and complete exam schedule information can be viewed on the Internet at: < http://www.healthy.arkansas.gov/eng/autoupdates/oper/operexam.htm >.

Remember, you must register for the exam 45 days in advance. Application for License is not registration for an exam. Please file application at least 60 days prior to the exam. If repeating same exam, please remit $25.00 exam fee using provided invoice at time of exam registration.

Please verify that your license application has been filed with this office and that the required exam fee for each exam has been paid. The license exams require significant preparation prior to sitting for the exam. The preparation must include extensive study utilizing the study guide and recommended reference manuals/materials. Credit for the mandatory Certification Training Courses must be obtained before taking an exam. Copies of your training documentation must be provided when registering for an exam or provide documentation of its attendance by the exam session.

ATTENTION – License Applicants Must Use Current Application

www.healthy.arkansas.gov/water-license

Old applications will be rejected!

Application must have criminal history question/section completed.
Current application is dated December 21, 2020. See step 2 in above webpage link.

The revised Arkansas Department of Health's *Rules Pertaining to Water Operator Licensing* became effective October 8, 2020. The revised Rules most critical revision added criminal history review. This review requires that a revised license application be used which contains the criminal history section, which must be completed, and both applicant and person verifying application information signatures provided. Please download the required application at this webpage: https://www.healthy.arkansas.gov/water-license. Please note a license applicant requiring a criminal history review should submit application well in advance of their exam or take advantage of a pre-licensure determination of whether the individual's criminal record will disqualify the individual from licensure. The pre-licensure request form can be obtained by contacting the Water License Program.

The Rules may be viewed at this website:
https://www.healthy.arkansas.gov/images/uploads/rules/WATER_OPERATOR_LICENSING.pdf

For additional information on the criminal history review, please internet search Ark. Code Ann. §17-3-102 et. seq. for a listing of criminal offenses of concern. The Rules require individuals with a criminal history to declare such on their Water License Application and provide detailed information on their criminal offenses. The Rules have language that allows the License Committee to grant a waiver in certain circumstances, also detailed in above law citation.

Save time and effort use correct application.

TRAINING CONFERENCES:

Due to the uncertainties created by the ongoing pandemic, operators interested in attending training conferences are encouraged to check the webpages of the various waterworks organizations to verify current plans for the conferences. The various websites are:

Arkansas Water Works & Water Environment Association www.awwwea.org

Arkansas Water & Wastewater Managers Association www.arkwwma.org

Arkansas Rural Water Association www.arkansasruralwater.org

Major Monitoring, MCL, Treatment Technique, & Licensing Violations

Community & Nontransient Noncommunity Public Water Systems, Oct. – Dec. 2020

ARK STATE PARK MT MAGAZINE	Bmon 11
BANKS WATERWORKS	Bmon 10, PN 12
BEAVERFORK PWA	OperLic 10
BELLEVILLE WATER	DBPR 10, 11, 12
BISCOE WATERWORKS	OperLic 11, 12
BLUE MOUNTAIN WATE	PN 12
BODCAW RURAL WATER	Dmon 12
BODCAW RURAL WATER	DBPR 10, 11, 12
BOIS D'ARC WATER	Bmon 10, 11, 12
BOIS D'ARC WATER	OperLic 10, 11, 12
BOIS D'ARC WATER	PN 10, 11, 12
BRANCH WATER WORKS	DBPR 10, 11, 12
CALICO ROCK WATER	Bmon 11
CARAWAY WATERWORKS	OperLic 10
CENTRAL CITY WATER	Bmon 11
COMPTON WATERWORKS	Bmon 12, PN 12
COMPTON WATERWORKS	OperLic 10, 11, 12
DANVILLE WATERWORKS	Dmon 11
DANVILLE WATERWORKS	DBPR 10, 11, 12
DEVALLS BLUFF	OperLic 11, 12
DYER WATERWORKS	DBPR 10, 11, 12
EAST MONROE CO. WATER	Dmon 12
EL DORADO WATERWORKS	SMCL 10, 11, 12
FOUNTAIN HILL	Dmon 11
FOUNTAIN HILL	DBPR 10, 11, 12
GILMORE WATERWORKS	PN 12
GRANGE-CALAMINE	Bmon 10
GRASSY KNOB	Bmon 11
GRAY ROCK WATER ASSN	Dmon 11
HACKETT WATERWORKS	DBPR 10, 11, 12
HACKETT WATERWORKS	PN 12
HARMONY WATER ASSN	DBPR 10, 11, 12
HOLLY GROVE WATER	BMCL 12
HOLLY GROVE WATER	PN 10, 11, 12
HUMPHREY WATERWORKS	Bmon 10, 11, 12
HUMPHREY WATERWORKS	OperLic 10, 11, 12
HUMPHREY WATERWORKS	PN 10, 11, 12
HWY 64 WATER ASSN	Bmon 12
HWY 71 WTR DIST. #1 PWA	Bmon 11
INDIAN SWITCH RURAL	Bmon 10, 12
KIBLER WATER SYSTEM	Bmon 10
KIBLER WATER SYSTEM	DBPR 10, 11, 12
KINGS HILL ESTATES	Bmon 11
LAKE FOREST SUBORDINATE DIST	Bmon 11
LAKE LUCERNE ESTATES	Bmon 11, PN 11
LAKE VIEW MUNICIPAL	Bmon 10, 11
LAKE VIEW MUNICIPAL	PN 11
LAKESIDE WATER ASSN	DBPR 10, 11, 12
LEE COUNTY WATER ASSN	DBPR 10, 11, 12
LEE COUNTY WATER ASSN	Dmon 10
LEE COUNTY WATER ASSN	OperLic 10
LEE COUNTY WATER ASSN	PN 11
LITTLE RIVER COUNTY RDA	DBPR 10, 11, 12
MENA WATER DEPT	DBPR 12
MILLTOWN-WASHBURN	Dmon 12, PN 12
MILLTOWN-WASHBURN	DBPR 10, 11, 12
MONTROSE/BOYDELL	Dmon 10, 11
MONTROSE/BOYDELL	DBPR 10, 11, 12
MORO WATERWORKS	DBPR 10, 11, 12
MORO WATERWORKS	Dmon 12
MOUNT IDA WATERWORKS	Bmon 10
MOUNT IDA WATERWORKS	DBPR 10, 11, 12
MOUNT IDA WATERWORKS	PN 12
MUNDELL HEIGHTS WATER	Bmon 11
NASHVILLE RURAL WATER	DBPR 10, 11, 12
NASHVILLE RURAL WATER	PN 12
NE YELL COUNTY WATER A	DBPR 10, 11, 12
NORMAN WATERWORKS	Bmon 12
OZAN WATERWORKS	GWRMCL 11, 12
OZAN WATERWORKS	OperLic 11, 12
OZARK ACRES WATER	PN 11
PARKIN WATERWORKS	Dmon 10, Bmon 10, 12
PORTLAND WATERWORKS	DBPR 10, 11, 12
REMINGTON AMMUNITIONS	Bmon 11
SEVIER CO WATER ASSN	DBPR 10
SULPHUR SPRINGS	OperLic 11
TRI COUNTY RWDD – MOORES CHAPEL	DBPR 10, 11, 12
TURRELL WATER WORKS	PN 12
WABBASEKA WATER	Bmon 10, 11
WABBESEKA WATER	OperLic 10, 11, 12
WABBESEKA WATER	PN 12

KEY: Bmon = Bacti Monitoring; BMCL = Bacti MCL; CCR = Consumer Confidence Rule; Dmon = Disinfection By Product Rule Monitoring; DBPR=Disinfection By Product Rule MCL or Treatment Technique; GWRMCL=GWR Treatment Technique; GWRmon= GWR Monitoring or Reporting; PN = Public Notice Rule Tmon = SWTR Major Monitoring; TMCL = SWTR Treatment Technique; SWTR= Various SWTR requirements; Failure to Filter; RMCL = Radiochemical MCL; FMCL = Fluoride MCL; IMCL=Inorganic Chemical MCL; SMCL = Synthetic Chemical MCL; OperLic = Operator Licensing; 10 = October 2020, 11 = November 2020, 12 = December 2020

ENGINEERING SECTION
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AWW&WEA District Meetings

Due to disruptions caused by the COVID-19 pandemic, local AWW&WEA districts should be contacted directly concerning meeting plans. Also, visit the Division's web site: www.healthyarkansas.com/eng for possible district meeting updates.